

WHAT IS CLAIMED IS:

1. Mg-Zn-Al-based hydrotalcite-type particles comprising core particles composed of Mg-Al-based hydrotalcite, and an Mg-Zn-Al-based hydrotalcite layer formed on surface of the core particle, and having an average plate surface diameter of 0.1 to 1.0 μm and a refractive index being adjustable to a required value in the range of 1.48 to 1.56.

2. Mg-Zn-Al-based hydrotalcite-type particles according to claim 1, wherein a molar ratio of zinc to a sum of magnesium and zinc contained in the Mg-Zn-Al-based hydrotalcite-type particles is in the range of 0.003 to 0.6.

3. Mg-Zn-Al-based hydrotalcite-type particles according to claim 1, having a BET specific surface area value of 5 to 60 m^2/g .

4. Mg-Zn-Al-based hydrotalcite-type particles obtained by heat-treating the Mg-Zn-Al-based hydrotalcite-type particles as defined in claim 1 and having a refractive index being adjustable to a required value in the range of 1.48 to 1.70.

5. Mg-Zn-Al-based hydrotalcite-type particles according to claim 4, having a BET specific surface area value of 7 to 100 m^2/g .

6. Mg-Zn-Al-based hydrotalcite-type particles according to claim 1 or 4, having a pH value of 8.5 to 10.5.

7. Mg-Zn-Al-based hydrotalcite-type particles according to claim 1 or 4, further comprising a coating layer formed on surface of the Mg-Zn-Al-based hydrotalcite-type particle, which comprises at least one surface-treating agent selected from the group consisting of higher fatty acids, anionic surfactants, higher fatty acid/phosphoric acid esters, coupling agents and polyhydric alcohol esters.

8. Mg-Zn-Al-based hydrotalcite-type particles according to claim 7, wherein the amount of the surface-treating agent is 0.2 to 20.0% by weight, calculated as C, based on the weight of the Mg-Zn-Al-based hydrotalcite-type particles.

9. Mg-Zn-Al-based hydrotalcite-type particles according to claim 7, having a pH value of 7.0 to 9.5.

10. A resin composition comprising the Mg-Zn-Al-based hydrotalcite-type particles as defined in claim 1 or 4, and a binder resin.

11. A resin composition according to claim 10, wherein the amount of the Mg-Zn-Al-based hydrotalcite-type particles is 0.5 to 10 parts by weight based on 100 parts by weight of the resin.